Guangzhou Stide Lighting Co., Ltd.

USER MANUAL
LED SPOT

Thank you for using the company's production of Moving Head Light , users have to read and keep in accordance with the contents of the manual operation in order to ensure the right and safe installation, use and maintenance ; and the company assumes no responsibility when users are not in accordance with the requirements to install, use and maintain resulting in damaging to lighting, property or personal injury .
Please take good care of this prospectus when necessary.

1 SECURITY TIPS

In order to ensure your safety and the correct use of lighting. Please carefully read the following safety tips to avoid injury and unnecessary failures befor use .

1, non-professionals, not the to disassemble the light arbitarily and lighting accessories inside.

2, rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).

3, not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.

4, lamps used in ambient temperature: -15 ℃ -40 ℃, the highest temperature of the surface of the lamp: 60 ℃.

5, to keep away from the liquid substance and humid environment.

6, before using the lights must ensure the good grounding , can not install charging and remove any parts.

7, the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.

8, lamps consecutive working hours is not recommended more than 10 hours.

9, should stop using the lights in time when happens unusual conditions during the process

10, lamp parts of the rotation , external accessories and paste parts should be regular inspected, such as the emergence of loose and rock , should be reinforced in a timely manner to prevent the accident.

11, lamps adopt strong winds to refrigerate, it is easy to accumulate the dust , so you have to clean it weekly especially the cooling air opening , otherwise the dust will plug leading to poor lighting unusually.

2 TECHNOLOGY REFERENCES

Guangzhou Stide Lighting Co., Ltd.

Name: LED moving head Spot

Model : ST-LED-M30 (30W)

1.Voltage: AC110V-220V
2.Frequency: 50~60HZ
3.Power consumption：50W
4.Fuse：2A
5.Bulb：One high bright 30W white LED
6.Color：One color wheel，7 colors + white
7.Gobo：One gobo wheel with rotating，6 gobos + white
8.Pan：Maximum rotation angle of 540°
9.Tilt：Maximum rotation angle of 255°
10.Strobe：speed from slow to fast by choosing
11.Channel：12
12.Control：DMX，Master/Slave and Sound.
13.Dimmer：0% - 100%

3 DISPLAY CODE SETTING METHOS

Each computer lamp should be endowed with a digital starting address number to guarantee the computer lamp may response to the correct control signal.The digital starting address number is a channel number by which the computer lamp only can follow the the numerical control instruction from the controller.This computer lamp has used 12 numerical control channels, the digital starting address is set by stiring the LCD on board which comes to regards as the digital start address value.

Computer lamp numeral starting address computation method:

Current computer lamp numeral starting address = (Last computer lamp numeral starting address value) + (controller basic channel number).

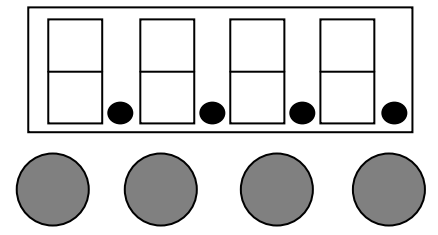
Illustration:

(1): The first computer lamp numeral start address value is 1
(2): The controller basic channel numbers should be bigger than or be equal to the computer lamp used numerical control channels.

Note:

When using any of the controllers, each lamp must has its own numerical starting address , such as the controller is 16-channel, the first lamp set to address A001; then the second lamps Address set on the A017 (1 +16); the third address position set on the A033 (1 +16 +16) , and so on, (setting way is up to the different controller)

DISPLAY BOARD ILLUSTRATION



MODE：For changing the processing mode.

FUNC：For selecting the functions

UP、DOWN：For changing the parameters

4、OPERATING ILLUSTRATION

1、 Display setup

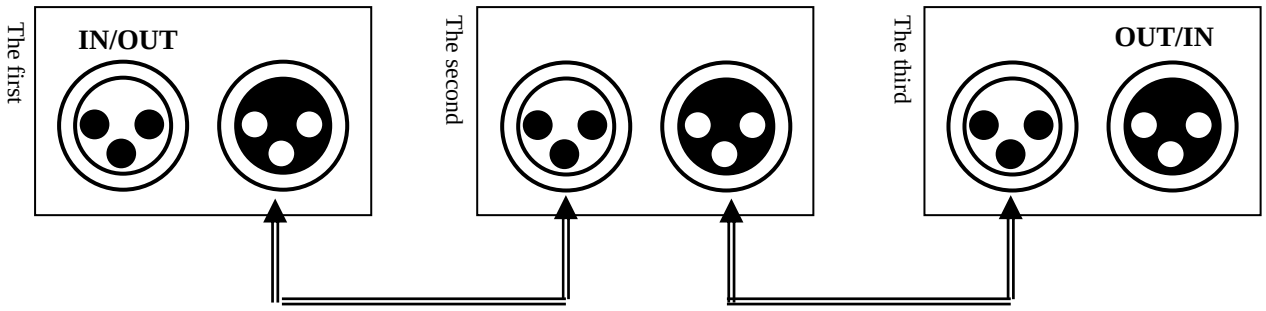
1.	512	A.001	Address setup
2.	PAD	on / off	X pros and cons
		on / off	Y pros and cons
3.	COLO	C0-C12	color scene
4.	GODO	G0-G12	gobo scene
5.	SELF	E0-E9	gobo auto-rotation
6.	SHY	Y0-Y9	XY scene
7.	SOUd	S0-S9	sound control

5、DMX CHANNEL SHEET

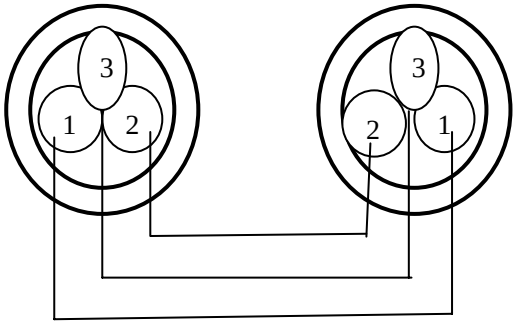
DMX CHANNELS	DMX VALUE	PARTICULAR FUNCTION	DMX CHANNELS
1、strobe	0～7 8～231 232～255	off strobe from fast to slow on	1、strobe
2、dimming	0～255	From darkness to brightness	2、dimming
3、X	0～255	Horizontal 0～450° rotating	3、X
4、Y	0～255	Vertical 0～270° rotating	4、Y
5、X 16bit			5、X 16bit
6、Y 16bit			6、Y 16bit
7、X、Y speed	0～8 9～255	Controller From fast to slow	7、X、Y speed
8、color			
9、autorotation gobos			
10、gobo autorotation location	0～255		10 、 gobo autorotation location
11、gobos autorotating	0～7 8～119 120～231 232～239 240～247 248～255	Gobos without autorotating gobo clockwise rotating from slow to fast gobo counter-clockwise rotating from slow to fast Gobo 180° rotating Gobo 360° rotating Gobo 720° rotating	11、gobos autorotation
12 、 inside program and reposition	0～79 80～199 245～250 251～255	Other channels Inside program 3S reposition off	

DMX 512 SIGNAL CONNECTION

The lamp is in DMX 512 signal control mode, the control signals of lamps are the parallel relationship, lights signal lines to connect more, it is best to use dual-core shielded cable. When connected, through the DMX signal jack "INPUT" or "OUTPUT" for both connected (as shown in Figure A), the male-female XLR 3-core plug terminal for connecting the signal lines must correspond to each other: (as shown in Figure 2)



I LAMP CONNECTING METHOD



Ⅱ PLUG CONNECTING METHOD

6. DIFFICULTY RESOLUTION

The following is a list of problems and resolution , and other malfunction preparing work should be professionally qualified staff to deal with.

1, Bulb not working

Check whether approching the service life of light bulbs, then change it

Check whether bulbs circuitry leak, loss or connect poorly

2. Beam appears bleak

The bulbs maybe approch the service life, then change it, or the optical components are uncleaned.

Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular period.

3. Computer lamp work intermittently

Check whether the fan process naturally and become dirty

Check inner tempreture-response control plug is off

Check whether the circuitry is good

4. The computer lamp not controlled by controller during lighting

Check numeral starting address and the connection of conmunication control circuit

The corresponding channel button of controller is open or not

5. Computer lamp out start

Check whether the fuse on power supply input jack is broken off

Whether the connection is good caused by vibrating during transportation

Check power supply and computer board

6. After checking, some function not working

Check whether these function are in charge, or the chips are broken by high-pressure concussion

7. After checking, the programme disorder and be out of control

Whether the signal is DMX 512

Whether the curcuitry is short and open

7. **CLRANING**

To make sure the stable run of lamp, you should keep it clean. Command clean machine and fan. To accurate the best state and effect, you should clean lens and color filter timely, and do not use any soluble detergent when cleaning the color filter avoiding the damage to lamp.

8. AFTER SERVICE

①Our company offer technical consultation to customers for ever.

②If the machine is wrong and need repairment, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.

③ In addition to the lamp, also matching accessories are as follows：

accessories：Power line 1 piece　　Optional parts：(customers）

Signal line 1 piece　　Users manual 1 sheet

Light hook

Warranty card 1 card　　Safety cable

Warranty Card

Name	Model	Production date	Purchase day

End-user	Sales store
Company name：	Linkman：
Address：	Telephone：
Telephone：	stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period：one year since purchase

warranty terms：1、If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills (copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

(1)Without the effective warranty card

(2)There's blank, alter and no point-of-sale name

(3)Fail caused by unresistance

(4)Fail caused by transportation or unloading

(5)Fail caused by not operate by manual

(6)Fail caused by disassemble without unauthorized

(7)Fail caused by using the unauthorized control system

(8)Consumables(bulb)

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding